1	GTCGACCCACGC	GTCCGCAGCCT	TCTCAGTA	TGGACCA	AAGTACCCA	AGCCTGTGC	TGGT 60
1			M	D Q	S T Q	A C A	G 10
61	GAGAAACATTGC	CATAACAGGGG	TGGCCTAC	ACTTCAG	AATGCTTCC	CCTGCAAAC	CTGG 120
11	E K H C	H N R G	G L H	F R	M L P	L Q T	M 30
121	CACGTATGCAGA	CAAGCAGGGCT	CCTCTTTC	TGCAAAC'	ITTGCCCAG	CAACTCTTA'	ITCA 180
31	H V C R	Q A G L	L F L	Q T	L P S	N S Y	S 50
181	AATAAAGGAGAA	ACTTCTTGCCA	CCAGTGTG	ACCCTGA	CAAATACTC	AGAGAAAGG	ATCT 240
51	N K G E	TSCH	Q C D	P D	K Y S	E K G	s 70
241	TCTTCCTGTAAC	GTGCGCCCAGC	TTGCACAG	ACAAAGA'	TTATTTCTA	CACACACAC	GGCC 300
71	<del>S S C N</del>	V R P A	C <u>T D</u>	<u>K</u> D	Y F Y	T H T	<u>A</u> 90
301	TGCGATGCCAAC	GGAGAGACACA	ACTCATGT	ACAAATG(	GGCCAAGCC	GAAAATCTG'	TAGC 360
91	<u>C</u> D A N	G E T Q	L M Y	K W	A K P	K I C	<u>S</u> 110
361	GAGGACCTTGAG	GGGGCAGTGAA	GCTGCCTG	CCTCTGG'	TGTGAAGAC	CCACTGCCC	ACCC 420
111	E D L E	G A V K	L P A	S G	V K T	н с Р	<u>P</u> 130
421	TGCAACCCAGGC	· TTCTTCAAAAC	CAACAACA	GCACCTG	CCAGCCCTG	CCCATATGG	ITCC 480
131		F F K T	N N S				<del>S</del> 150
481	TACTCCAATGGC	TCAGACTGTAC	CCGCTGCC	CTGCAGG(	GACTGAACC	TGCTGTGGG.	 ATTT 540
151	Y-S-N-G	S D C T	<del>-R</del> C P	A G	T E P	A V G	
		,			,	ı	•
541	GAATACAAATGG	TGGAACACGCT	GCCCACAA	ACATGGA	AACGACCGT	TCTCAGTGG	GATC 600
171	EYKW	WNTL	P T N	<u>M</u> E	T T V	L S G	I 190
601	AACTTCGAGTAC	AAGGGCATGAC	AGGCTGGG	AGGTGGC'	IGGTGATCA	CATTTACAC	AGCT 660

FIG.1A

											2	/37	,								
191	N	F	E	Y	K	G	M	<u>T</u>	G	W	E	V	A	G	D	Н	I	Y	T	A	210
661	GC'	ľGG.	AGC	CTC.	AGA	CAA	TGA	CTT	CAT	GAT'	TCT	CAC'	TCT	GGT	TGT	GCC	AGG	ATT	TAG	ACCT	720
211	A	<del>C</del>	- <u>A</u>	<u>S</u>	-D-	<u>N</u>	<u></u>	F	M	Ι	L	T	L	V	V	P	G	F	R	P .	230
721	CC	GCA	GTC	GGT	GAT	GGC	AGA	CAC	AGA	GAA	TAA	AGA	GGT	GGC	CAG	AAT	CAC	ATT	TGT	CTTT	780
231	P	Q	S	٧	M	A	D	T	E	N	. K	E	V	A .	R	Ι	T .	F	V	<u>F</u> .	250
781	GA	GAC	CCT	CTG	TTC	TGT	GAA	CTG	TGA	GCT	СТА	CTT	CAT	GGT	GGG	TGT	GAA	TTC	TAG	GACC	840
251	<u>E</u>	Ŧ	L	C	S	V	N	С	E	L	Y	F	M	V	G	A	N	S	R	T	270
841	ΔΔ	ሮልሮ	ሞሮር	• ጥርጥ	GGA	GAC	'GTG	GAA	AGC	ነጥጥ(	· CAA	AGG	CAA	ACA	ርሞር	:CTA	ТАС	СТА	САТ	CATT	900
271	N	T.	P	V	E	T	W	K	G	S	K	G	K	0	S	Y	Т	Y	I	I	290
<b>.</b>	•	-			==	•	٠.		•		,	_								,	
901	GA	.GGA	GAA	CAC	TAC	CAC	'GAG	CTT	CAC	CTG	lGGC	CTT	'CCA	.GAG	GAC	CAC	TTT:	TCA	TGA	GGCA	960
291	E	E	N	T	T	T	S	F	T	W	A	F	Q	R	T	<u>T</u>	F	H	E	A	310
	- ~		***					aar	m a c	1033		. CIET 3	cm c		ר רטי	man		1777	mam	•	1000
961			GAA		CAC		ATGA				_			CAT.			_			TATG	1020
311	S	R	K	Y	T	N	D	A	A	K	I	Y	S	1	N	٧	T	N	V	M .	330
1021	AA	TGO	CGT	· :GG(	:CTC	CTF	ACTO	<del>:</del> CCC	TCC	CTO	· FTG(	:CCT	'AGA	AGC	CTC	TGA	ATGI	'GGG	CTC	CTCC	1080
331	N	G	V	A	S	Y	C	R	P	C	A	L	E	A	S	D	V	G	S	S	350
				•																•	
1081	TG	CAC	CCTC	TT	TCC	TG(	CTGO	TTF	CTA	LATA	TG	ACCO	BAGA	TT	AGC	JAA(	CCT	GCCA	ACTO	CTGC	1140
351	<u>C</u>	T	S	C	P	_ <u>A</u>	G	Y	Y	I	D	R	D	S	G	<u>T</u>	C	- !!	S	<del>_</del> C	370
1111	ac	ימממ	א גרחיר	•	הגיי	amar	המיז ז	מארשר	יממי	\	·	י יחחר	\mcc	יחורים	יממי	\ ממנ	ПОППС	י י	ימממ	י י	1200
1141					_												<u></u>	V V		CTGT C	390
371	<u>P</u>	<u>P</u>	N	<u>T</u>	<u> </u>	L	K	_ <u>A</u>	<u>H</u>	Q	P 	<u>Y</u>	<u> </u>		<del>-Q-</del>	A		· ·	<u> P</u>		370
1201	GG	TC(	CAGO	· 3GA(	CAA	AGA <i>I</i>	ACA	ACA <i>I</i>	\GA'	rcc <i>i</i>	· ACT(	TC	rgT(	CT <i>I</i>	ACA/	ATG!	TTA	GCA(	CTT	CTCA	1260
391	G	Р					N	K	I	Н	S	L	C	Y	N	D	C	T	F	S	410

FIG.1B

			•			•				•			•			•			•	
1261	CGCA	ACAC'	TCC.	AAC	CAG	GAC	TTT	CAA(	CTA	CAA	CTT(	CTC	CGC I	TT(	GC.	AAA	CAC	CGT	CACT	1320
411	R N	T	P	T	R	T	F	N	Y	N	F	S	A	L	A	N	T	V	T	430
1321	CTTG(	TGG.	AGG	GCC.	AAG	CTT	'CAC	TTC	CAA	AGG(	GTT(	GAAI	ATA(	TT	CCA'	TCA	CTT'	TAC	CCTC	1380
431	L A	G	G	P	S	F	T	S	K	G	L	K	Y	F	H	H	F	T	L	450
							**	***	***	* *			,							
1381	AGTC	rctg	TGG	AAA	.CCA	\GG(	TAG	GAA	AAT	GTC'	IGT(	GTG(	CAC	CGA	CAA'	TGT	CAC'	TGA	CCTC	1440
451	S L	٦	G	N	0	G	R K	M	S	V	C	Ψ	ח	N	V	T	D	Ţ,		470
4 <b>9</b> 1	0 11	•		-1	×			••	~	·	·	-			•		_			• • •
1441	CGGA'	TTCC	TGA	GGG	TGF	AGT(	CAGG	GTT	CTC	CAA	ATC'	TAT	CAC	AGC	CTA	CGT	CTG	CCA	GGCA	1500
471	R I	Р	E	G	Ε	S	G	F	S	K	S	Ι	T	A	Y	V	C	0	A	490
-,-		_				_												~	,	
1501	GTCA'	TCAT	CCC	CCC	'AGA	\GGT	[GAC	AGG	CTA	CAA	GGC	CGG	GGT'	rrc	CTC	ACA	GCC'	TGT	CAGC	1560
491	V I	Ι	P	Р	Ε	V	T	G	Y	K	A	G	V	S	S	Q	P	V	S	510
		_														~			= .	
1561	CTTG	CTGA	TCG	ACT	'TAT	rTG(	GGT	'GAC	AAC	AGA	TAT	GAC	TCT	GGA	TGG	AAT	CAC	CTC	CCCA	1620
511	L A	D	R	L	Ι	G	V.	T	T	D	M	T	L	D	G	Ι	T	S	P	530
		·																		
1621	GCTG	AACT	TTT	'CCA	ACC.	ľGG	AGTO	CTT	GGG	AAT	ACC	GGA	CGT	GAT	CTT	CTT	TTA	TAG	GTCC	1680
531	A E	L	F	H	L	E	S	L	G	Ι	P	D	V	Ι	F	F	Y	R	S	550
		i					•													
1681	AATG	ATGI	'GAC	CCA	\GT(	CCT(	GCAG	TTC	TGG	GAG	ATC	AAC	CAC	CAT	CCG	CGT	'CAG	GTG	CAGT	1740
551	N D	V	T	Q	S	C	S	S	G	R	S	T	T	Ι	R	V	R	C	S	570
										,										
1741	CCAC	AGAA	AAC	TGI	rcc(	CTG	GAAC	TTT	'GC'I	'GCT	GCC	AGG	AAC	GTG	CTC	'AGA	TGG	GAC	CTGT	1800
571	P Q	K	T	V	P	G	S	L	L	Ŀ	P	G	T	C	S	D	<del>C</del>	T	<del></del>	590
1801	GATG	GCTO	3CAA	ACTI	rcc.	ACT'	TCCI	GTG	GGA	GAG	CGC	GGC	TGC	TTG	CCC	GCT!	CTG	CTC	AGTG	1860
591	D G	<u>-</u> C	N	F	Н	F	L	W	E	S	A	A	A	C	Р	L	С	S	<u>V</u>	610
			,														-			
1861	GCTG	ACTA	ACCA	ATG(	'ATC	TCG	TCAC	CAG	CTC	TGT	'GGC	TGG	GAT	CCA	GAA	GAC	'TAC	TTA	CGTG	1920

FIG.1C

											7	:/3/									
611	<u>A</u>	D	Y	Н	A	Ι	V	S	S	C		A	<del>G-</del>	<del>-</del> I -	<del>-Q-</del>	<del>- K -</del>	<del>.</del> T	T	Y	٧ .	630
1921	TG	GCG	AGA	ACC	CAA	GCT.	ATG	CTC'	TGG'	IGG	CAT	TTC	TCT	GCC	TGA	GCA	GAG	AGT	CAC	CATC	1980
631	W	R	E	P	K	L	C .	S	G	G	Ι.	<u>S</u>	L	P .	E	Q	R.	V	T	Ι.	650
1981	TG	CAA	AAC	CAT	'AGA	TTT	CTG	GCT	GAA	AGT	GGG	CAT	CTC	TGC	AGG	CAC	CTG	TAC	TGC	CATC	2040
651	C	K	T	Ι	D	F	₩.	L	K	V	<del>G</del>	<del>-I-</del>	S	- <u>A</u>	<del>- G-</del>	T	<del>-C-</del>	<del>-T</del> -	A	<del>-</del> ∃	670
2041	CI	'GCT	'CAC	:CGT	CTT	GAC	CTG	CTA	.CTT	TTG	GAA	AAA	GAA	TCA	AAA	AÇT	AGA	GTA	.CAA	GTAC	2100
671	L	L	T	٧.	L	T	C	Y	F	W	. K	K	N	Q ·	K	L	Ε.	Y	K	Υ .	690
2101	TO	CAA	\GC'I	'GG'I	GAT	'GAA	TGC	TAC	TCT	CAA	.GGA	CTO	TGA	CCT	'GCC	'AGC	'AGC	TGA	CAG	CTGC	2160
691	S	K	L		M	N	Α.	<u>T</u>	L	K		C	D	L	P	A	Α.	D	S	C .	710
2161	G(	CCAT	CA"	[GG]	AAGO	GCGA	AGGA	TGT	'AGA	GGA	ACGA	ACC1	CAI	CTI	TAC	CAC	CAP	AGAA	ATCF	ACTCT	2220
711	A	Ι	M	Ε.	G	E	D.	V	Ε	D	D .	L	Ι	F ·	T	S	K	N	H	\$	730
2221	T	rgg(	BAA(	GAT(	CAAA	ATC	TTI	TACO	CTCC	'AAC	3AG(	GAC.	[CC]	'GA'	[GGA	TT	GA(	CTCA		GCCGC	2280
731	L	G	R	S	N	H	L	P	P	R	G	L	L	M	D	L	T	Q	С	R .	750
2281 751	T(	GAA(	GAC	ATC(	CTC <i>I</i>	AGG?	AGG(	CCCA	AGA(	CAT(	3GA(	CCT(	GTG <i>l</i>	AGA(	GGC <i>I</i>	ACT(	GCC'	rgc(	CTC	ACCTG	2340 751
2341	С	CTC	CTC.	ACC'	TTG(	CATA	AGC	· ACC	ITT(	GCA/	· AGC	CTG	CGG(	CGA:	ľTT(	GG'	I'GC	CAG(	CAT(	CCTGC	2400
2401	A	ACA	CCC	ACT	GCT	GGA	AAT	CTC	TTC	ATT(	GTG	GCC	TTA'	rca	GAT(	JTT	IGA	ATT'	TCA(	GATCT	2460
2461	T	TTT	TTA	TAG	AGT.	ACC	CAA	ACC	CTC	CTT	TCT	GCT	TGC	CTC.	AAA	CCT	GCC.	AAA'	TAT.	ACCCA	2520
2521	C	ACT	TTG	TTT	GTA	AAT	TAA	AAA	AAA	AAA	AAA	AAA	. 2	554							

FIG.1D

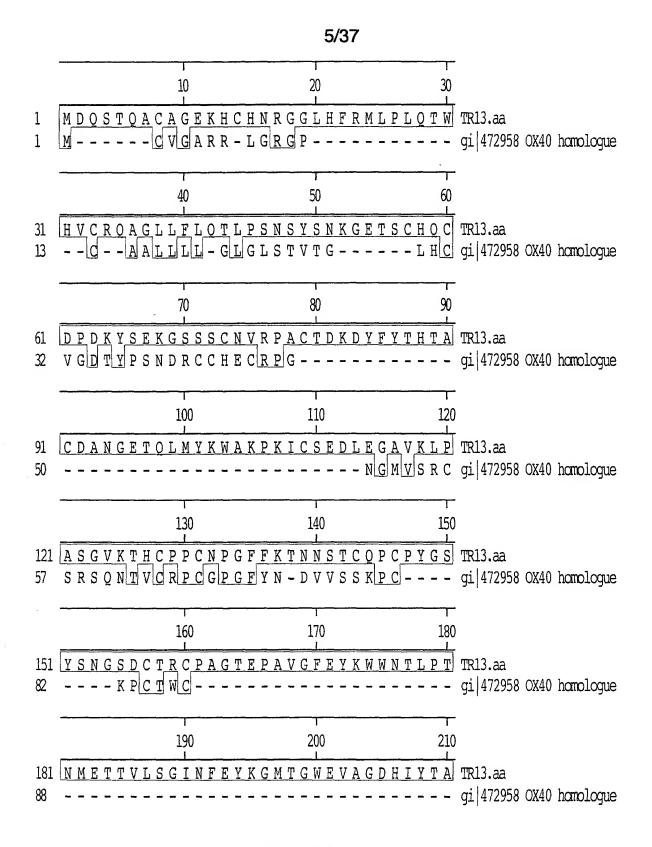


FIG. 2A

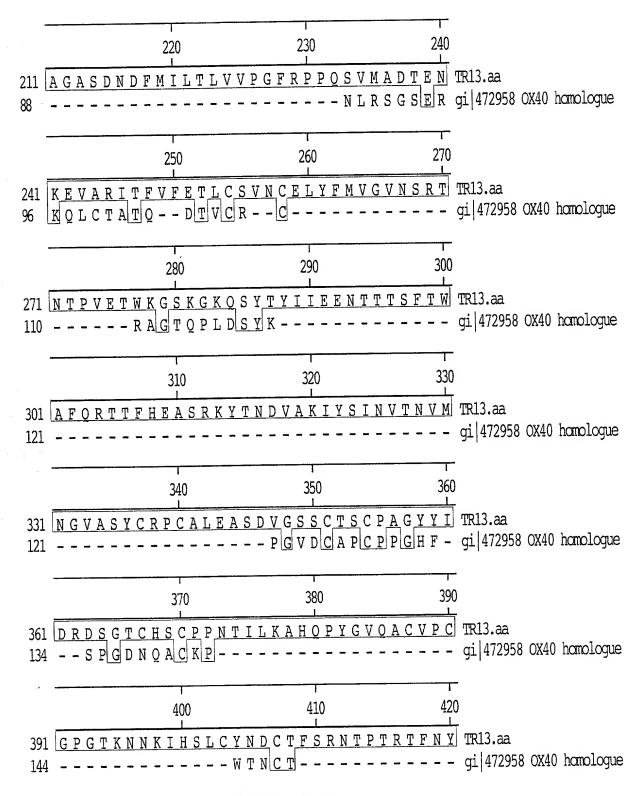


FIG. 2B

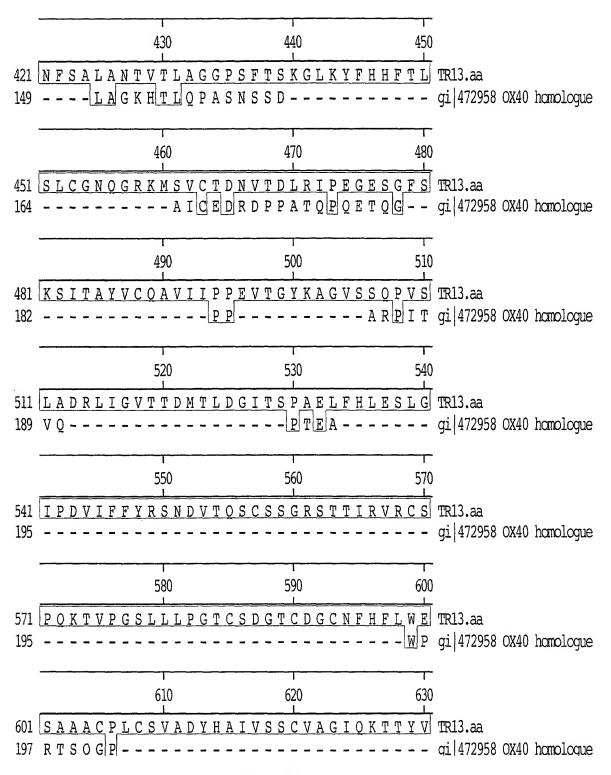


FIG. 2C

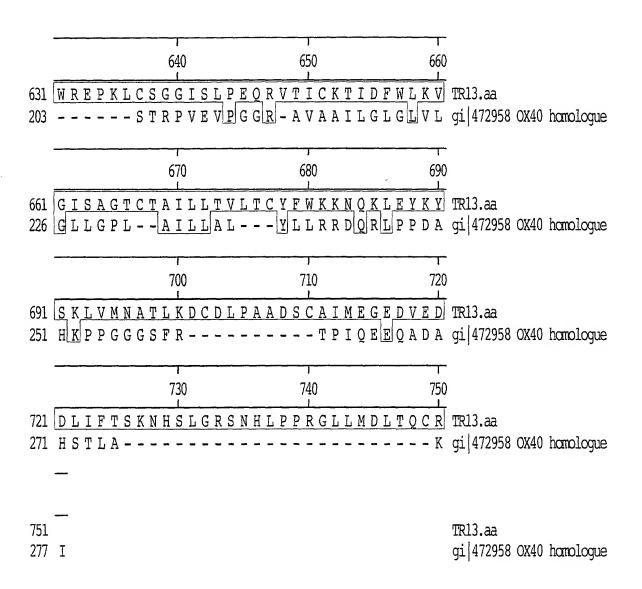
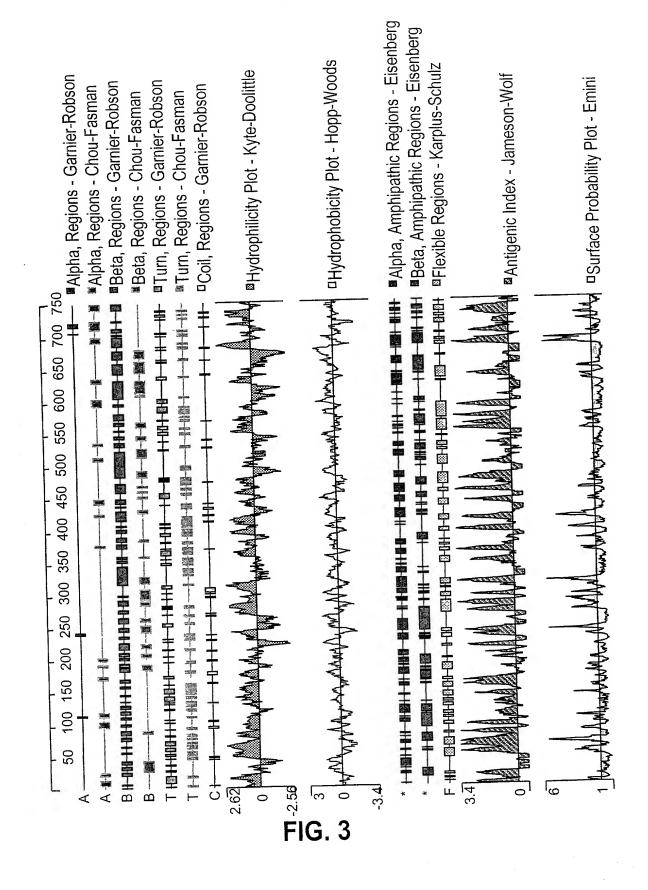


FIG. 2D



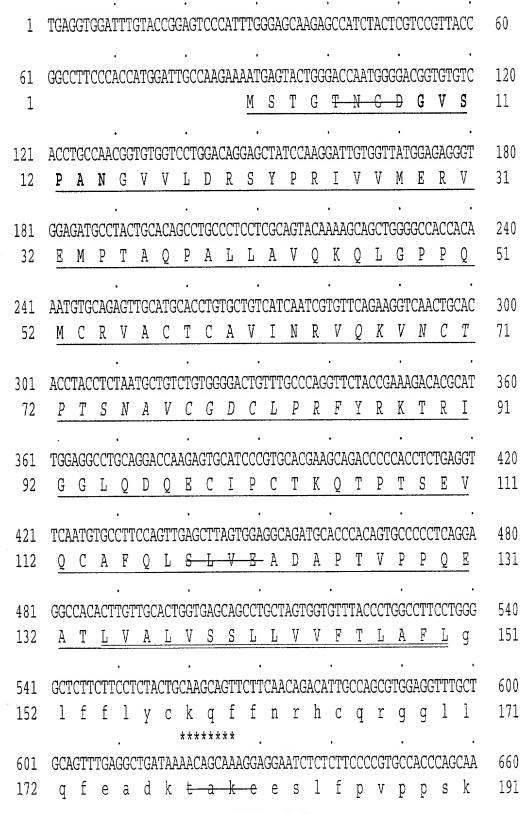


FIG.4A

661	GGAGACCAGTGCTGAGTCCCAAGTCTCTTGGGCCCCTGGCAGCCTTGCCCAGTTGTTCTC	720
192	e <del>tsae</del> sqvswapgslaqlfs	211
721	TCTGGACTCTGTTCCTATACCACAACAGCAGCAGGGGCCTGAAATGTGATGTCCACAAGA	780
212	lds v p i p q q q g p e m *	227
		840
781	GCTAATACCCTACAGATGGGGCATATCCTATCCCATCCC	040
0.41	· · · · · · · · · · · · · · · · · · ·	900
841	TICACAAGGACIGATCIGGAGCATITCTIGCTICCCTGTTGTAGCTGGGGAGCCAAATT	700
901	CCACATTCATGGGACTACCAGACATGTTCCTAGCTCAACTTGATTATAGAGAAGAGGAGA	960
702		
961	GAGGACAGTGAATGGGGTAGGGTTTTCATGTCTGCATTTTTGGTCAGGTAAGCCTCTCAA	1020
1021	AATTGTGTTGGCACATCTACCTAGCACTTTAGGGACAAAATCAAACCCTTCTCCCCTTTT	1080
		1140
1081	AGCTCCTCCACACTGCCTCCCTCCTCAACACACACACACA	1140
1111	TAGACACAAACACACACACACACATTAATATCTATCTTGGGGGAAGCCTCGTGCCATA	1200
1141	TAGACACACAAACACACACACATTAATATCTATCTTGGGGGAAGCCTCGTGCCATA	1200
1201	ATTCCCAAGTCATGTCTCAGACTGCTGCATTGCAGCATGACGCAGGGCAAACACTTTCCC	1260
1201	ATTOCCHERICATION CONTROL CONTR	
1261	TCTAGATCCCTGGGGCCTGACCTGTATTTGAGGTTCTCACCACCCTCAGCAGGGAGAAG	1320
1321	GGCTGAAGTTCGCCATTTTGGAACCTTACAGAACATTTCTGAGCCAAAGTAATCTTCCTT	1380
1381	CTGGGGCCTGAGTTCCCCAAACTACCCCACAGCAGTCCCTCAAAGACAGCCCTCAATCCA	1440
		1500
1441	TGTAGGGACATCTGAGTATGCCTCTTTCTATTGAAATGTCAATTCAATCCCAGCTTTCTC	1300
1 [ 0 1	ACCACCGTTCCCCTTTGATTCTTTCTCAATTGTCTTTTTTGCCTTTAGCTCCCACCTATAC	1560
TOOT	MCCACCATIOCCTITATIOTTICITATIATIOTTICITATIATIOTTICACATA	±300

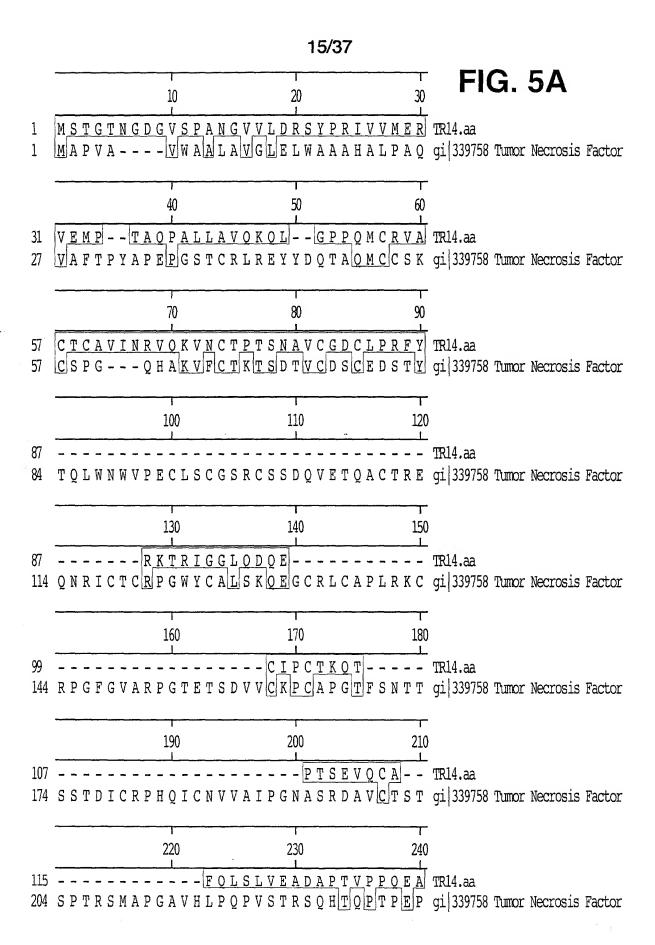
FIG.4B

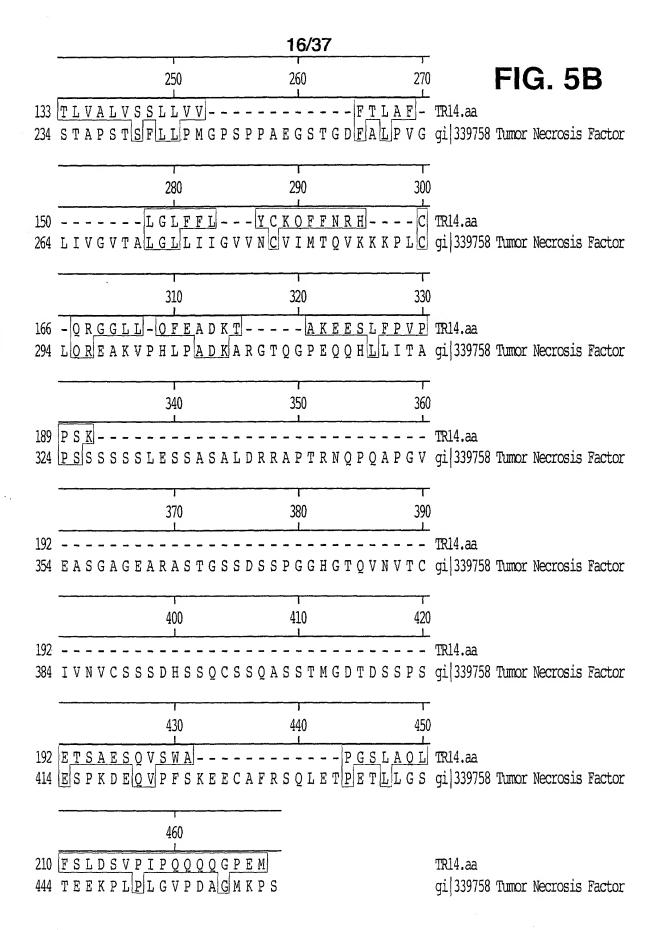
FIG.4C

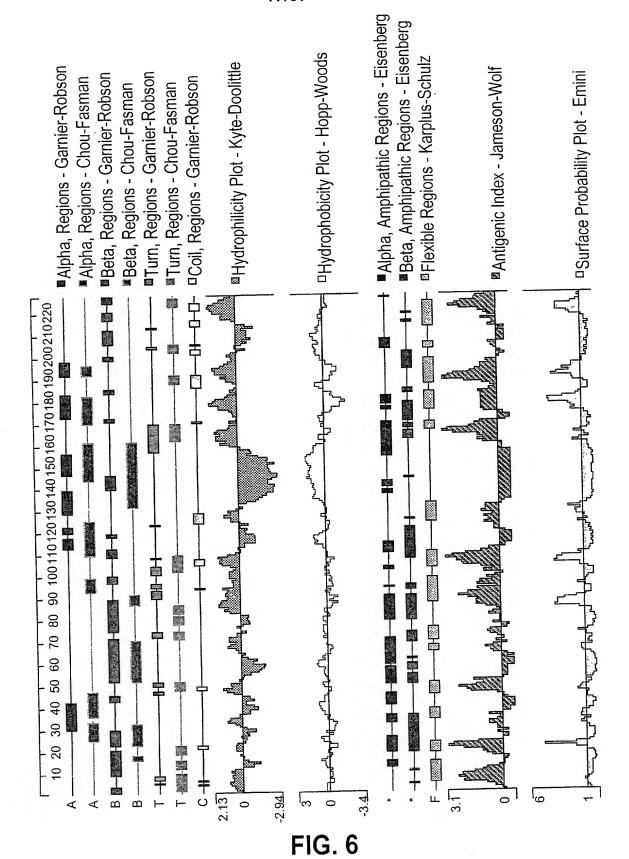
#### FIG.4D

3481	${\tt CCGTGCACGAAGCAGACCCCCACCTCTGAGGTTCAATGTGCCTTCCAGTTGAGCTTAGTG}$	3540
3541		3600
3601		3660
3661		3720
3721		3780
3781		3840
3841		

#### FIG.4E







1	GCA	AGA <i>I</i>	AGCI	AGC?	AGC(	CGC	AGC	ACC.	[GA(	GCC(	GCT	ACT(	GCC(	GCT(	CAC'	rca:	GGA	CAA	CGC'	TATG M	60 1
										**	***	* *					**	***	* *		
61	GC.	rga(	GCC.	TGG(	3CA	CAG	CCA	CCA'	rcr(	CTC	CGC	CAG	AGT(	CAG	GG.	AAG	AAC	TGA	GAG	GCGC	120
2	A	Ε	P	G	Н	S	Н	H	L	S	A	R	V	R	G	R	T	E	R	R	21
																	•				
121	ATA	ACC	CCG	GCT	GTG	GCG	GCT	GCT	GCT	CTG	GGC'	TGG						'GAC		GGGA	180
22	Ι	Р	R	L	W	R	L	L	L	W	.A	G	T	A	F	Q	<u>V</u>	T	Q	G	41
				•				~-~		- ~-		ma.	ama		cm.	m~3		<b>a</b>	aaa	·	040
181					_														_	GTGT	240
42	<u>T</u>	G	P	<del>- E</del>	L	H	<u>A</u>	C	K	<u> </u>	<del>S</del> -		<u>-Y</u>	-11-	<del>-¥</del>	E	<u>Y</u>	<del>T</del> -	- A		61
0.44	<b>43</b>	a	a		mma	az a	· cmc	as a	aam	aaa	·	מממ	aas	י. תוזע רו	aaa	• •				יל+++	300
241	_																illi Ti	ילבט. ה	_	CAGC:	300 81
62	₽	S	T	G	<u>S</u>	R	W	R	<u>V</u>	<u> </u>	<u>V</u>	<u> P</u>	H	T	<u> P</u>	G	Щ.	<u> </u>	_T		01
201	+	aaa	መረገእ		ССП	ו גישו					יריזירי יריזירי	•	ירווירו	ረሞር	ת גים:	רפר	י ירכס	י יממז	لىلىت	TCTG	360
301	-	ысс P		.CCC P	V	CAP K	uuu G	JAJ. T	euo. E	C	scrc S	.CII F	S	CIG	N N	DDD. A	.coc G	E E	F	.1013 L	101
82	<u> </u>	<u>-r</u>			V		***			<u> </u>	<u> </u>	Ľ			TA				<u> </u>		101
361	CΣ	. ጥልጥ	'GA A	.cca		ርሞር	ነውጥር	ַ בַּרי	<sub>ረ</sub> ርርር	'Aፕር	ICGO	TGA	GGG	CCC	lCTA	CTC	CC1:	FCG0	CAC	CAGGC	420
102	מ	M	K	.002. D	0	S	C	<del>K</del>	<u> P</u>	<del></del>	A		G	R	<del>-¥</del>	S	L	G	T	G	121
102	_				<u> </u>		<u> </u>										-	•			
421	ΑT	TCG	GTI	TGA	TGA	\GT(	GGI	ATGA	GCT	:GC(	CCCF	\TG0	CTI	TGC	CAC	GCC.	rcr(	CAG(	CCA	ACATG	480
122	Ι	R	F	D	E	W	D	Ε	L	P	H	G	F	A	S	L	S	A	N	M	141
				,	*******						.++	+++	+++	+++	**	***	**.				
481	GP	AGC1	:GGI	\TGI	ACA(	TG(	TG(	CTGA	AGT(	CCA	CCGC	GA <i>I</i>	ACTO	TA(	TT(	CGT(	CCAZ	AGT(	GG.	FTCCC	540
142	Ε	L	D	D	S	A	A	E	S	T	G	N	C	T	S	S	K	W	V	<u>P</u>	161
541	CO	GG(	3CG2	ACTA	ACA'	rcg(	CCT.	[CA	ACA(	CGG	ACG?	AT(	3CA(	IAG(	CCA(	CAC'	TGA'	TGT.	ACG(	CCGTC	600
162	R	G	D	Y	I	A	F	N	T	D	Ε		T	A	<u>T</u>	L	M	Y	A	<u></u>	181
				•														•		•	
601	A	ACC".	[GA/	AGC	TAP	CTG(														TCATC	
182	N	L	K	Q	S	G	<u>T</u>	V	N	F	E	Y	Y	<u>Y</u>	P	D	S	S	I	<u> </u>	201

FIG. 7A

661	TTI	rga(	TT	TTC	GTT	'CAG	CAA	GA(	CAG	TG(	CCAC	GCC(	'AA'	[GC]	AGA'	TGA	CTC	CAG	GTG	GATG
202	F	E	F	F	V	Q	N	D	Q	$\mathbb{C}$	Q	P	N	A	D	D	S	R	M	M
			**:	***	**		•				,									
721	AA(	GAC(	CAC	AGA(	JAA!	AGGI	ATG(	GAA	TT/	CA(	CAG:	IGT(	GA(	GCT.	AAA	TCG	AGG	CAA	TAA	TGTC
222	K	T	T	E	K	G	W	E	F	H	S	V	E	Ţ	N	R	G	N	N	Λ
											,									
781	CT	CTA'	TTG	GAGA	AAC(	CACA	AGC(	CTT(	CTC	AGT	ATG(	GAC	CAA	AGT	ACC	CAA	.GCC	TGT	GCT	GGTG
242	L	Y	M	R	T	T	A	F	S	٧	W	T	K	V	P	K	P	V	L	V
							++-	+++	+++	+++	+++	+++								
841	AG	ΑΑΑ	CAT	TGC	CAT	AAC:	AGG	GGT	GGC	CTA	CAC'	TTC	AGA	ATG	CTT	CCC	CTC	CAP	ACC	TGGC
262	R	N	Ī	A	I	T	G	V	A	Y	T	S	E	С	F	P	C	K	P	G
202							++	+++	+++	+++	+++	+++		•						
901	AC	GTA	TGC	AGA	CAA	GCA	GGG	CTC	CTC	TTT	CTG	CAA	ACT	TTG	CCC	'AGC	CCA	ACT(	TT	ATTCA
282	平	y.	A	D	K	0	G	S	S	F	C	K	L	C	P	A	N	S	Y	${\mathcal S}$
	-					_~_								•		*:	***	***		++++.
961	AA	TAA	.AGG	AGA	AAC	TTC	TTG	CCA	.CCA	GTG	TGA	CCC	TGA	CAP	ATA	ACT(	CAG	AGAZ	AAG(	GATCT
302	N	K	G	E	T	S	С	Н	0	C	D	Р	D	K	Y	$\mathcal{S}$	E	K	G	${\mathcal S}$
	++	+++	+++	+++						**	* * *	**								
1021	TO	TTC	CTC	TAA	CGT	'GCG	CCC	'AGC	TTG	CAC	AGA	CAF	AGA	TTA	ATT.	CT	ACA	CAC	ACA	CGGCC
322	S	S	C	N	V	R	Р	A	C	T	D-	<u> </u>	_Ð	Y	F	Y	T	Н	Ŧ	— <u>A</u>
	-																			
1081	TO	GCGI	ATG(	CCAA	ACGO	AGA	AGA(	CACA	ACT	CAT	rgt <i>i</i>	ACAZ	AT(	3GG(	CCA	AGC	CGA	AAA	TCT	GTAGC
342	C	<del></del>	A	N	G	E	T	Q	L	M	Y	K	W	A	K	P	K	I	C	S
	_										•									
1141	G	AGG/	ACC".	rtg <i>i</i>	AGG(	GG(	CAG:	[GA/	AGCT	rgc(	CTG(	CT	TG(	3TG	TGA	AGA	CCC	ACT	GCC	CACCC
362																				) P
				•				•												++++.
1201	T(	GCA	ACC	CAG	GCT'	rct.	TCA.	AAA	CCA	ACAZ	ACA(	GCA	CCT	GCC.	AGC	CCT	GCC	CAT	'ATG	GTTCC
382																				S = S
	_								+++											
1261	•																			GATTT
																				F

FIG. 7B

															~ -	~~-		~ ·	ma ~ :	13.00.0
1321	GAA	ATA	CAA	ATG	GTG(	GAA(	CACC	GCT(	GCC(	CAC	AAA(	CAT	GGA!	AAC(	GAC	CGT	TCT			ATC
422	<u>E</u>	Y	K	W	M	N	T	L	P	<del>T-</del>	N	M		T	T	V	<u>L</u>	S	G	<u>I</u>
														•			•			•
1381	AA(	TT	CGA	GTA	CAA	GGG	CAT(	GAC	AGG	CTG	GGA(	GGT	GGC'	rgg'	TGA	TCA	CAT	TTA	CAC	AGCT
442	N	F	E	Y	K	G	M	T-	G	W	<del>- E</del>	V	A	G	D	Н	I	Y	T	<u>A</u>
						+++									_				-	•
1441	GC	TGG	AGC	CTC	AGA	CAA	TGA	CTT	CAT	GAT	TCT	CAC	TCT	GGT	TGT	GCC	AGG	ATT	TAG.	ACCT
462	A	G	A	\$	Ð	N	<del>-D</del>	F	M	I	L	T	L	V	V	Р	G	F	R	<u>P</u>
																	•			•
1501	CC	GCA	GTC	GGT	GAT	'GGC	AGA	CAC	AGA	GAA	TAA	AGA	GGT	GGC	CAG	TAA	'CAC	l'TA:	TGT	CTTT
482	P	Q	S	V	M	A	D	T	E	N	K	E	V	A	R	I	T	F	V	F
																				•
1561	GA	GAC	CCT	'CTC	TTC	TGT	GAA	.CTG	TGA	.GCT	CTA	.CTI	CAT	GGI	:GGC	TGT	GAA	TTC	TAG	GACC
502	E	T	L	C	S	V	N	C	E	Ŀ	Y	F	M	V	G	V	N	S	R	<u>T</u>
						**	***	**												•
1621	AA	.CAC	TCC	TG	TGGA	AGAC	GTG	GAA	AGG	TTC	CAA	AGG	CAA	ACA	GT(	CTA	ATA(	CTI	ACAT	CATT
522	N	<del>T</del>	- P	V	<del>_</del>	T	M	K	G	S	K	G	K	Q	S	Y	T	Y	I	I
																		•		•
1681	GA.	GG/	AGAZ	ACA(	CTAC	CCAC	GAC	CTT	CAC	CTO	GG(	CT?	[CCA	GA(	GA(	CCA(	TT.	rtc	ATGA	GGCA
542	E	E	N	T	T	T	S	F	T	M	A	F	Q	R	T	Ŧ	F	H	E	A
	* *	**	***					1												
1741	AC	CA	GGA.	AGT	ACA(	CCAI	ATGI	ACG"	rtg(	CCA	AGA'	[CT	ACT(	CA.	rca.	ATG'	TCA(	CCA	ATG:	TATG
562	S	R	K	Y	T	N	D	V	A	K	I	Y	S	I	N	A	T	N	V	M
																		. +	+++-	+++ .
1801	A	ATG	GCG'	TGG	CCT(	CCT	ACT(	GCC(	GTC(	CCT(	GTG(	CCC'	TAG	AAG(	CCT	CTG.	ATG	TGG	GCT(	CCTCC
582	N	G	V	A	S	Y	C	R	Р		A	L	E	A	S	D	V	G	S	S
			+++											•						+++ .
1861	T(	GCA	CCT	CTT	GTC	CTG	CTG(	GTT	ACT	ATA'	TTG	ACC	GAG	ATT	CAG	GAA	CCT	GCC	ACT	CCTGC
602	C	T	S		P	A	G	Y	Y	I	D	R	D	S	G	T	C	Н	S	C
													+	+++	+++	+++	+++	+++		
1921	C	CCC	CTA	ACA	CAA	TTC	TGA	AAG	CCC.	ACC.	AGC	CTT	ATG	GTG	TCC	AGG	CCT	GTG	TGC	CCTGT
622	P	P	N	T	ľ	L	K	A	Н	Q	P	Y	G	V	Q	A	. 0	V	P	C

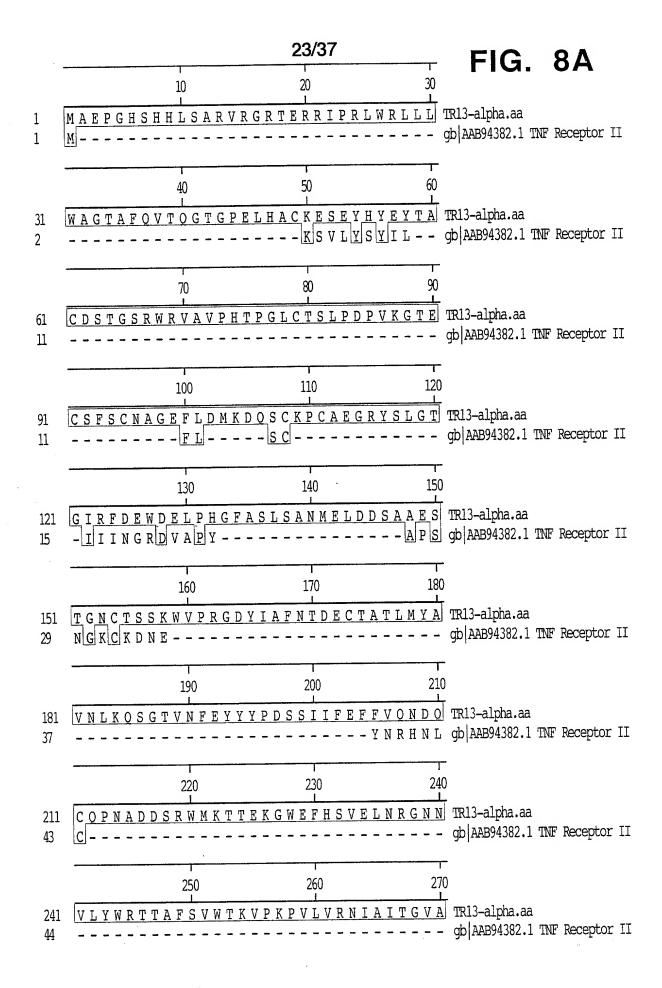
FIG. 7C

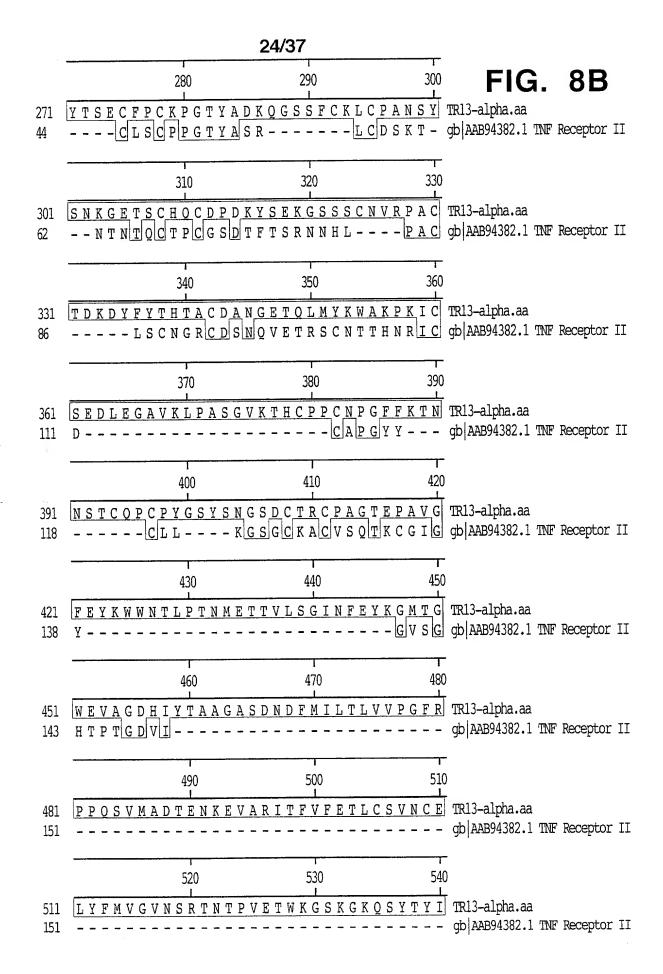
+++++++++++++++ 1981 GGTCCAGGGACCAAGAACAAGATCCACTCTCTGTGCTACAATGATTGCACCTTCTCA 2040 642 G P G T K N N K I H S L C Y N D C T F S 661 2041 CGCAACACTCCAACCAGGACTTTCAACTACAACTTCTCCGCTTTGGCAAACACCGTCACT 2100 662 R N T P T R T F N Y N F S A L A N T V T 681 \*\*\*\* 2101 CTTGCTGGAGGGCCAAGCTTCACTTCCAAAGGGTTGAAATACTTCCATCACTTTACCCTC 2160 701 682 LAGGPSFTSKGLKYFHHFTL 2161 AGTCTCTGTGGAAACCAGGGTAGGAAAATGTCTGTGTGCACCGACAATGTCACTGACCTC 2220 702 S L C G N Q G R K M S V C T D N V T D L 721 2221 CGGATTCCTGAGGGTGAGTCAGGGTTCTCCAAATCTATCACAGCCTACGTCTGCCAGGCA 2280 722 RIPEGESGFSKSITAYVCOA 741 2281 GTCATCATCCCCCCAGAGGTGACAGGCTACAAGGCCGGGGTTTCCTCACAGCCTGTCAGC 2340 742 V I I P P E V T G Y K A G V S S Q P V <del>S</del> 761 2400 762 <del>L A D</del> R L I G V T T D M T L D G I T <del>S P</del> 781 2401 GCTGAACTTTTCCACCTGGAGTCCTTGGGAATACCGGACGTGATCTTCTTTTATAGGTCC 782 A E L F H L E S L G I P D V I F F Y R S 801 \*\*\*\*\* \*\*\*\*\* 2520 2461 AATGATGTGACCCAGTCCTGCAGTTCTGGGAGATCAACCACCATCCGCGTCAGGTGCAGT 802 N D V T Q S C S S G R S T T I R V R C S 821 2521 CCACAGAAAACTGTCCCTGGAAGTTTGCTGCCAGGAACGTGCTCAGATGGGACCTGT 2580 822 POKTVPGSLLLPG<del>TCSD</del>GTC 841 ++++++ . . 2581 GATGGCTGCAACTTCCACTTCCTGTGGGAGAGCGCGGCTGCTTGCCCGCTCTGCTCAGTG 2640 842 D G C N F H F L W E S A A A C P L C <del>S V</del> 861

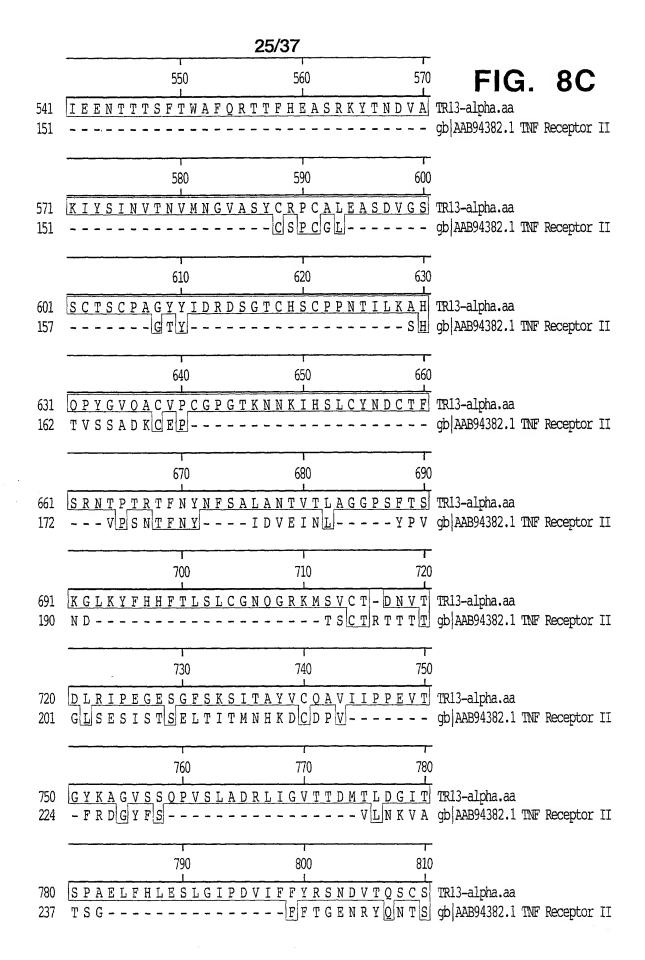
FIG. 7D

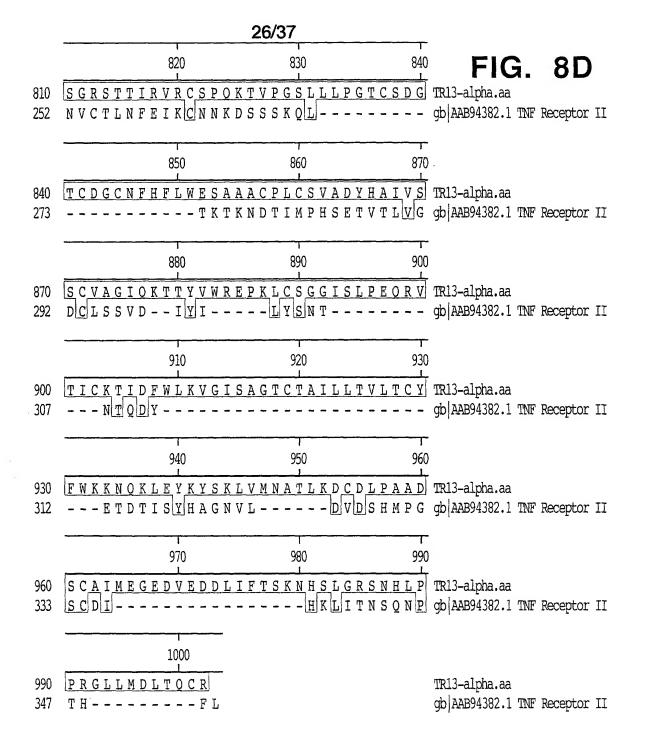
						•				•		++-	+++	†††	+++	+++	TT		•	
GC.	rga(	CTA(	CCA!	IGC'	rat(	CGT	CAG	CAG	CTG	TGT	GGC'	TGG(	GAT	CCA	GAA	GAC	TAC'	TTA(	CGTG	2700
<u>A</u> —	<del>- D</del>	Y	H	A	Ι	A	S	S	C	V	A	G	Ι	Q	K	T	T	Y	V	881
			•						-				,							
TG	GCG.	AGA	ACC	CAA	GCT.	ATG	CTC	TGG	TGG	CAT	TTC	TCT	GCC	TGA	GCA	GAG	AGT	CAC	CATC	2760
W	R	E	P	K	Ŀ	C	S	G	G	I	<u>s</u>	L-	P	E	Q	R	V	T	I	901
_										.++	+++	+++	+++	+++	+++	+++	+++	+++	++ .	
TG	CAA	AAC	CAT	AGA	TTT	CTG	GCT	'GAA	AGT	'GGG	CAT	CTC	TGC	'AGG	CAC	CTG	TAC	TGC	CATC	2820
C	K	T	Ι	D	F	W	L	K	V	G	Ι	S	A	G	_T	С	T	A	I	921
						•														
CT	GCT	CAC	CGT	CTT	GAC	CTG	CTA	CTI	TTG	GAA	AAA	GAA	TCA	AAA	ACI	'AGA	GTA	.CAA	GTAC	2880
<u>L</u>	L	T	V	L	T	C	Y	F	W	_k	k	n	q	k	1	е	У	k	У	941
													•						•	
TC	CAA	GCT	'GGT	'GAT	'GAA	TGC	TAC	TCI	CAA	AGGI	ACTO	TGA	.CC7	[GC(	AG(	CAGO	TGA	CAG	CTGC	2940
S	k	1	V	m	n	a	ŧ	1	<del>- k</del>	<del>_d</del>	C	d	1	p	a	a	d	S	C	961
										•			•				•			
GC	CAT	CAT	'GGA	AGG	CGF	AGGI	\TG:	ľAG/			\CCI									3000
a	i	m	е	g	е	d	Λ	е	d	d	1	i	f	t	. S	k	n	h	S	981
			•							•							·	o come		2060
T	[GG(	JAAC	BAT(	CAAI		_		CTC			_	-			_					3060
1	g	r	S	n	h	1	p	p	r	g	Ţ	1	m	a	1	t	q	С	r	1001
-		** ~		~m.~:			•	3 A 3	C A ITTA		aam	ma		aaa	а <i>(</i> чгт	מממי	Taa	רי) וחיר	· \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3120
	)AAt	έΑU	ATC(	JTC	4664	AGG(		AGA	CAI	(AU	CC 11	J [ U	HUF	טטט.	HC I	الال	エびし	U I Cê	10010	1002
π																				1002
C	ama,	משועי.	٠ ۲ مرم	ייטעייי	יים ערי	אממ	1 CC	արգուր	ממז	አርሮ	ርጥር	רממי	7CI	արփ	CCC	ሞርረ	ሮ <u>ል</u> ር	<sub>ር</sub> ጀብ	· ግርጥርር	3180
C	CIU	LIU	HUU	יטוו	CA1.	AUC.	ACC	111	UUL	JUL	CIO	COO	CON	. 4 4 4	000	100	CITO	C111.		3200
7\	እሮኔ	የ	ልረጥ	ረረርሞ	CC A	ል ል ጥ	ርሞር	ጥሞር	יייים	GTG	ርርር	יביים	· TCA	СΑТ	ርጥጥ	TGA	· ATT	TCA	GATCT	3240
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T	ሳተታ	ሞΤΑ	TAG	AGT	ACC	CAA	ACC	CTC	CTT	· TCT	GCT	TGC	CTC	'AAA	CCT	GCC	AAA	TAT.	ACCCA	3300
1																				
C	ACT	TTG	TTT	GTA	AAT	TAA	AAA	AAA	AAA	AAA	AAA	. 3	334							
	TG V TG C CT L TO s GG a TT 1 TO *	TGGCGA  TGCAA  C K  CTGCT  L L  TCCAA  s k  GCCAT a i  TTGGC l g  TGAAC  *  CCTCC  AACA  TTTT	TGGCGAGA W R E  TGCAAAAC C K T  CTGCTCAC L L T  TCCAAGCT s k l  GCCATCAT a i m  TTGGGAAC l g r  TGAAGAC *  CCTCCTC AACACCC	TGGCGAGAACCAT  R E P  TGCAAAACCAT  C K T I  CTGCTCACCGT  L L T V  TCCAAGCTGGT  s k l v  GCCATCATGGA  a i m e  TTGGGAAAGATC  t g r s  TGAAGACATCC  *  CCTCCTCACCC  AACACCCACT  TTTTTTTATAG	TGGCGAGAACCCAAG  W R E P K  TGCAAAACCATAGA  C K T I D  CTGCTCACCGTCTT  L L T V L  TCCAAGCTGGTGAT  s k l v m  GCCATCATGGAAGG  a i m e g  TTGGGAAGATCAAA  l g r s n  TGAAGACATCCTCA  *  CCTCCTCACCTTGGAAGG  AACACCCACTGCT  AACACCCACTGCT  TTTTTTTATAGAGT	TGGCGAGAACCCAAGCT  W R E P K L  TGCAAAACCATAGATTT  C K T I D F  CTGCTCACCGTCTTGAC  L L T V L T  TCCAAGCTGGTGATGAA  S k l v m n  GCCATCATGGAAGGCGA  a i m e g e  TTGGGAAGATCAAATCA  l g r s n h  TGAAGACATCCTCAGGA  *  CCTCCTCACCTTGCAT  AACACCCACTGCTGGA  TTTTTTTATAGAGTACC	TGGCGAGAACCCAAGCTATG W R E P K L C  TGCAAAACCATAGATTTCTG C K T I D F W  CTGCTCACCGTCTTGACCTG L L T V L T C  TCCAAGCTGGTGATGAATGC S k l v m n a  GCCATCATGGAAGGCGAGGA a i m e g e d  TTGGGAAGATCAAATCATTT l g r s n h l  TGAAGACATCCTCAGGAGGC *  CCTCCTCACCTTGCATAGC AACACCCACTGCTGGAAAT  TTTTTTTATAGAGTACCCAA	TGGCGAGAACCCAAGCTATGCTC  W R E P K L C S  TGCAAAACCATAGATTTCTGGCT  C K T I D F W L  CTGCTCACCGTCTTGACCTGCTA  L L T V L T C Y  ***  TCCAAGCTGGTGATGAATGCTAC  s k l v m n a t  GCCATCATGGAAGGCGAGGATGT  a i m e g e d v  TTGGGAAGATCAAATCATTTACC  l g r s n h l p  TGAAGACATCCTCAGGAGGCCC  *  CCTCCTCACCTTGCATAGCACCC  AACACCCACTGCTGGAAATCTC  TTTTTTTATAGAGTACCCAAACCC  TTTTTTTTATAGAGTACCCAAACCC	TGGCGAGAACCCAAGCTATGCTCTGGWREPKLCCTGGTGAAACCATAGATTTCTGGCTGAACCKTTGCTCTGGCTGAACCKTTGCTCTGGCTGAACCKTTGCTCTGACCTGCTACTTGACCTGCTACTTGACCTGCTACTTGACCTGCTACTTGACCTGGTGATGAATGCTACTCTGAAGCTGGTGATGAATGCTACTCTGAAGCTGGAAGGCGAGGATGTAGAAGACATCATTTACCTCCAAGCTGGAAGGCGAGGATGTAGAAGACATCATTTACCTCCAAGAAGACATCATCATTTACCTCCAAGAAGACATCCTCAGGAAGACCCTGCTGGAAAATCATTTACCTCCAAACACCCTGCTGCATAGGAAGACCCTGCTGCATAGGAAATCCTTTCAAACACCCCACTGCTGGAAAATCTCTTCCAACACCCCACTGCTGGAAAATCTCTTCCAACACCCCAAACCCTCCAAACCCTCAAACCCTCCAAAACCCTCCAAAACCCTCCAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCCAAAACCCCTCCAAAACCCCTCCAAAACCCCCAAAACCCCTCCAAAACCCCCAAAACCCCTCCAAAACCCCTCCAAAACCCCTCCAAAACCCCCAAAACCCCTCCAAAACCCCTCCAAAACCCCCAAAACCCCTCCAAAACCCCCAAAACCCCTCCAAAACCCCCAAAACCCCCAAAACCCCTCCAAAACCCCAAAACCCCCAAAACCCCCAAAACCCCCAAAA	TGGCGAGAACCCAAGCTATGCTCTGGTGG WREPKLCSGGGTGAAAGT CKTIDFWLKV  CTGCTCACCGTCTTGACCTGCTACTTTCG LLTVLTCGCTGACTGCTACTTTCG LLTVLTCYFW  ********  TCCAAGCTGGTGATGAATGCTACTCTCAAG Sklvmnnattactctaaatgaatgaatgaatgaatgaatgaatgaat	TGGCGAGAACCCAAGCTATGCTCTGGTGGCAT W R E P K L C S G G I  TGCAAAACCATAGATTTCTGGCTGAAAGTGGG C K T I D F W L K V G  CTGCTCACCGTCTTGACCTGCTACTTTTGGAA L L T V L T C Y F W k  *******  TCCAAGCTGGTGATGAATGCTACTCTCAAGGA S k l v m n a t l k d  GCCATCATGGAAGGCGAGGATGTAGAGGGACGA a i m e g e d v e d d  TTGGGAAGATCAAATCATTTACCTCCAAGAGC l g r s n h l p p r g  TGAAGACATCCTCAGGAGGCCCAGACATGGA  *  CCTCCTCACCTTGCATAGAGCCCTGCTACTTTGCAAGC AACACCCACTGCTGGAAATCTCTTCATTGTG  AACACCCACTGCTGGAAAATCTCTTCATTGTG  TTTTTTTTATAGAGTACCCAAACCCTCCTTTCT	TGGCGAGAACCCAAGCTATGCTCTGGTGGCATTC  W R E P K L C S G G I S	TGGCGAGAACCCAAGCTATGCTCTGGTGGCATTTCTCTCTGWREPKLCAAAACCATAGATTTCTGGCTGAAAAGTGGGCATCTCCCKTTGCAAAAACCATAGATTTCTGGCTGAAAAGTGGGCATCTCCCKTTTTGGAAAAAAAAAA	TGGCGAGAACCCAAGCTATGCTCTGGTGGCATTTCTCTGCCC  W R E P K L C S G G I S L P  TGCAAAACCATAGATTTCTGGCTGAAAGTGGGCATCTCTGCC  C K T I D F W L K V G I S A  CTGCTCACCGTCTTGACCTGCTACTTTTGGAAAAAGAATCA  L L T V L T C Y F W k k n q  ********  TCCAAGCTGGTGATGAATGCTACTCTCAAGGACTGTGACCT  s k l v m n a t l k d c d l  GCCATCATGGAAGGCGAGGATGTAGAGGACGACCTCATCT  a i m e g e d v e d d l i f  TTGGGAAGACCATAGATCATTTACCTCCAAGGACTCCTGAC  l g r s n h l p p r g l l m  TGAAGACATCCTCAGGAAGGCCCAGACATGGACCTGTGAGA  *  CCTCCTCACCTTGCATAGCACCTTTGCAAGCCTGTGAGA  *  TTTTTTTATAGAGTACCCAAACCCTCCTTTCTGCTTGCCTC	TGGCGAGAACCCAAGCTATGCTCTGGTGGCATTTCTCTGCCTGA W R E P K L C S G G I S L P E  TGCAAAACCATAGATTTCTGGCTGAAAGTGGGCATCTCTGCAGG C K T I D F W L K V G I S A G  CTGCTCACCGTCTTGACCTGCTACTTTTGGAAAAAGAATCAAAA L L T V L T C Y F W k k n q k  ********  TCCAAGCTGGTGATGAATGCTACTCTCAAGGACTGTGACCTGCC S k l v m n a t l k d c d l p  GCCATCATGGAAGGCGAGGATGTAGAGGACCTCATCTTTAC a i m e g e d v e d d l i f t  TTGGGAAGATCAAAATCATTTACCTCCAAGGAGCTCCTGATGGG l g r s n h l p p r g l l m d  TGAAGACATCCTCAGGAAGGCCAGACATGGACCTGTGAGGGC *  CCTCCTCACCTTGCATAGCACCTTTTGCAAGCCTTGCGGGGGATTT  AACACCCACTGCTGGAAATCTCTTCATTGTGGCCTTGACAAA  TTTTTTTATAGAGTACCCAAAACCCTCCTTTCTGCTTGCCTCAAA  TTTTTTTATAGAGTACCCAAAACCCTCCTTTCTGCTTGCCTCAAA	TGGCGAGAACCCAAGCTATGCTCTGGTGGCATTTCTCTGCCTGAGCA W R E P K L C S G G I S L P E Q	TGGGGAGAACCCAAGCTATGCTCTGGTGGCATTTCTCTGCCTGAGCAGAG W R E P K L C S G G I S L P E Q R  TGCAAAACCATAGATTTCTGGCTGAAAGTGGGCATCTCTGCAGGCACCTG C K T I D F W L K V G I S A G T C  CTGCTCACCGTCTTGACCTGCTACTTTTGGAAAAAGAATCAAAAACTAGA L L T V L T C Y F W k k n q k l e  ********  TCCAAGCTGGTGATGAATGCTACTCTCAAGGACTGTGACCTGCCAGCAGC S k l v m n a t l k d c d l p a a  ********  GCCATCATGGAAGGCGAGGATGTAGAGGACTCTTTACCAGCAA a i m e g e d v e d d l i f t s k  TTGGGAAGATCAAATCATTTACCTCCAAGAGGACTCCTGATGGATTTGAC l g r s n h l p p r g l l m d l t  TGAAGACATCCTCAGGAAGGCCCAGACATGGACCTGTGAGAGGCACTGCC  *  CCTCCTCACCTTGCATAGCACCTTTTGCAAGGCCTGCGGGGGATTTGGGTGC  AACACCCACTGCTGGAAATCTCTTCATTGTGGCCTTATCAGATGTTGAC  TTTTTTTATAGAGTACCCAAAACCCTCCTTTCTGCTTGCCTCAAACCTGCC	TGCGAGAACCCAAGCTATGCTCTGGTGGCATTTCTCTGCCTGAGCAGAGAGT W R E P K L C S G G I S L P E Q R V  TGCAAAACCATAGATTTCTGGCTGAAAGTGGGCATCTTGCAGGCACGCAC	TCCAAGCTGGTGATGCTCTCGAAAAGAAAAAAAACTAGAGTAAAACTAGAGTGAAAACCATAGATGTAGAAGAGACGAAAAGAAGAAGAAGAAGAAGAAGAAGAAGA	TGGCGAGAACCCAAGCTATGCTCTGGTGGCATTTCTCTGCCTGAGCAGAGAGTCACCATC  W R E P K L C S G G I S L P E Q R V T I

#### FIG. 7E









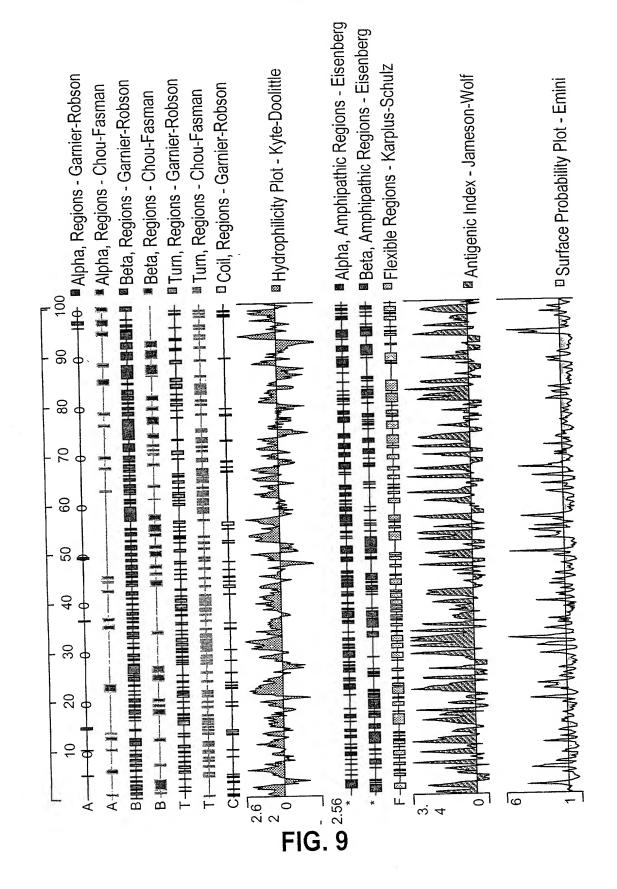


	FIG. 10A	
300	241 CAGAGTTGCATCACTGTCATCATCGTGTTCAGAAGGTCAACTGCACCTACC 59 Q S C I T C A V I N R V Q K V N C T P T	241 59
240 58	GCCTACTGGCACAGCTGCCTCCTCGCAGTACAAAGCAGCTGGGGCCACCACAAATGT A Y W H S L P S S Q Y K S S W G H H K C	181
180	CAACGGTGTGGTCCTGGACAGGATTCCAAGGATTGTGGTTGGAGAGGGTGGAGAT Q R C G P G Q E L S K D C G Y G E G D	21
120	CCCACCATGGATTGCCAAGAAATGAGTACTGGGACCGACGGTGTGTCACCTGC M D C Q E N E Y W D Q W G R C V T C	61
09	1 GGATTTGTACCGGAGTCCCATTTGGGAGCAAGAGCCATCTACTCGTCGTTACCGGCCTT	<del>√−−</del> 1

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096	. CATGGGACTACCAGACATGTTCCTAGCTCAACTTGATTATAGAGAAGAGGAGAGAGGACA	901
006	. GGACTGATCTGGAGCATTTCTTGCTTCCCTGTTGTAGTCTGGGGAGCCAGATTCCACATT	841
840	. CCCTACAGATGGGGCATATCCTATCCCATCCCACCAGAGGATTGATT	781
780	TCTGTTCCTATACCACAGCAGCAGGGCCTGAATGTGTGTCTCCACAAGAGCTAATA	721 219
720	AGTGCTGAGTCCCATTGGGCCCCTGGCAGCCTTGCCCAGTTGTTCTCTCTGGAC S A E S Q V S W A P G S L A Q L F S L D	661 199
198	GAGGCTGATAAAACAGCAAGGAGGAATCTCTTCCCCGTGCCACCCAGCAAGGAGACC E A D K T A K E E S L F P V P P S K E T	501

	FIG. 10D	
1380	. GTTCGCCATTTTGGAACCTTACAGAACATTTCTGAGCCAAAGTAATCTTCCTTGGGGC	321
1320	CCCTGGGGCCTCACCCTGTATTTGAGGTTCTCACCACCCTCAGCAGGGGAGAGGGCTGAA	261
1260	AGTCATGTCTCAGACTGCTGCATTGCAGCATGACGCAGGGCAAACACTTTCCCTCTAGAT	201
1200	ACAAACACACACACACATTAATATCTATCTTGGGGGAAGCCTCGTGCCATAATTCCCA	141
1140		081
1080	. TIGGCACATCTACCTAGCACTTTAGGGACAAAATCAAACCCTTTCTCCCCTTTTAGCTCCT	)21
1020	GTGAATGGGGTAGGGTTTTCATGTCTGCATTTTTGGTCAGGTAAGCCTCTCAAAATTGTG	191

0 0 0 T	_ TTTTGCTTTTAGAATTTTATTAACTACATCTCTTGGGTTCATCCATC	1741
1 / 4 O		1681
0 Ø 0 T		.621
1680		
1620	GCTCAGAGAAAACAAGTTCCTTAGAGGTTGTATTCTTTTTTTCTCCAAGAATCTGTCTG	561
) ) 	TTCCCCTTTGATTCTTTCTCAA!"IGTCTTTTTGCC111AGC1CCACCAACAAAAAAAAAAAAAA	501
1560		
1500	ACATCTGAGTATGCCTCTTTCTATTGAAATGTCAATTCCCAGCTTTCTCACCAGC	441
) 보 보	CTGAGTTCCCCAAACTACCCCACAGCAGTCCCTCAAAGACAGCCCTCAA161AGGG	381
1110	CCC KECE KCECCCCCCCCCCCCCCCCCCCCCCCCCCC	

# FIG. 10E

2160	TCCAGACAGGGGATG	2101
2100	TATTCTTATCTCACTGGCTTTCACTGATCATGTTAGACCTTCTGGTAGAAGAAATAATA	041
2040	. GSCYCTAGGTTTCCTGTTTTTTCGTTTTGGTTTCCGTTTTCGTTTTTGCAACAGGT	981
1980	. AAGCAGCCTGGCCCCACACAGGTATTAGCAAATATGTGGTAACCAAGGTTTTAGGCCTTG	921
1920	AGGTCCCATTGTACTGGTACTGAGGATTAGAAGCAATTGAAATACAAGCCTGTACCAAGC	861
1860	TAAGGGCCCCTGGGGCAACCAATTGATCAGATTACTAAAAGGACTTGGGAAAAAGCAAAA	801

# FIG. 10F

	FIG. 10G	
2700	. GCAGTTAAGTTGTCTCTAATGAACTAGCAAAAAAAAAAA	2641
2640	TCAGTGGAAGAACAAGTACACTTGATAAAAACATTTTCAACATACAT	2581
2580	CTGAGGCATATTTCTTTGAGCACTGTGCTTTTTATGTGTCTTTCTACAAGGGGTTATTGG	2521
2520	. AAATACCATAGTTGAGTATTTGCTTCAGGAGAGTTCTTTTTACAGTTTTTACATTTTTCAATG	2461
2460	TATTTCGGGTAAAGGTGAAGTGAAGGATTTTCGTCTTTATAATTTCTGTTTGGCCATGGC	2401
2400	TTAATTCCAACTTTTGAGGTTCAGCAATTGGAGGTGGCAATTGGCTTTGCATTTTAAAG	2341
2340	GIGTGCTTGCTCCATGGCATGCTATGTGGACAGCCCAAGCCATACCCCAGAATCACC	2281
2280	CACAGTAATAATAATAACAAAATATGATAAGTGAAAGAGTGAAAGAGTTTTCTTTC	2221

	. AAACAGAAATATATCCAAAAAAAAAAAAAAAAAAAAAAA	3121
3120	TAGATACTGGCAGGGCTATGTTTTATGATGCTCTGCAAACATTTCATATTGGCCAAT	3061
3060	TTTTTCTCATAAATGGGTTATTATAGAGATTTTGTTAACTCTTGAGCCATATGCATGTG	3001
3000		2941
2940	. CAACATACAGCCCTGTCACATTGAGATCATAATCCCTCCTGTCCCACTCCTCTCTACCAA	2881
2880	TCCAAGATTCTCAGATCCCAGGTTAGGAAAGGATTCAGCACTAACAGCATAACCCCTCTA	2821
2820	TATACCTTGAACTTGGGATTTTGAACAGGAGGGAAGTCCTGGGAAAAAATTTTTTCCC	761
2760	AAGGGGAGGTATTTCCTGAGAATGAATTTTTTTTTTTTT	701

